

*ASTRONOMICAL OBSERVATIONS by Capt. Francis
Blackwood, R.N.*

Raine's Islet, N.E. Coast of New Holland { Lat. $11^{\circ} 35' 44''$ S.
Long. $144^{\circ} 7'$ E.

1844 July 2. Occultation of ν *Aquarii* at the moon's bright limb.

Immersion..... $15^{\text{h}} 40^{\text{m}} 15^{\text{s}} \cdot 5$ Local Mean Solar Time.
Emersion $17^{\text{h}} 0^{\text{m}} 33^{\text{s}} \cdot 0$

Sept. 3. Occultation of *Venus*.

Total Immersion..... $23^{\text{h}} 54^{\text{m}} 27^{\text{s}} \cdot 6$ Local Mean Solar Time.

Victoria, Port Essington (Commandant's House) { Lat. $11^{\circ} 22' 18''$ S.
Long. $132^{\circ} 11'$ E.

1845 Feb. 1. Occultation of *Mars*.

Total Immersion..... $20^{\text{h}} 25^{\text{m}} 13^{\text{s}} \cdot 0$ Local Mean Solar Time.

Nepean Island, Torres Straits { Lat. $9^{\circ} 35'$ S.
Long. $143^{\circ} 45'$ E.

1845 March 27. Occultation of λ *Libræ* at the moon's dark limb.

Immersion..... $17^{\text{h}} 33^{\text{m}} 30^{\text{s}} \cdot 5$ Local Mean Solar Time.

Darnley Island { Lat. $9^{\circ} 32'$ S.
Long. $143^{\circ} 50'$ E.

1845 May 24. Occultation of ρ^1 *Sagittarii* by the moon's bright limb.

Immersion..... $17^{\text{h}} 9^{\text{m}} 51^{\text{s}} \cdot 5$ Local Mean Solar Time.

SOLAR ECLIPSE observed by Capt. Sir E. Home, R.N.

Kororaraka (South End), Bay of Islands, New Zealand { Lat. $35^{\circ} 15'$ S.
Long. $174^{\circ} 20'$ E.

1845 Oct. 31. Final Contact $0^{\text{h}} 1^{\text{m}} 38^{\text{s}} \cdot 0$ Local Mean Solar Time.

Circumstances favourable.

SOLAR ECLIPSE observed by Commander Shadwell, R.N.

Garden Island, Sydney, N. S. Wales.... { Lat. $33^{\circ} 51' 50''$ S.
Long. $151^{\circ} 16'$ E.

1845 Oct. 30. Final Contact $22^{\text{h}} 5^{\text{m}} 31^{\text{s}} \cdot 4$ Local Mean Solar Time.

The Time at the place was accurately determined for all these Observations.

A Notice from Captain Ford of a difference between the Map of the Moon, published by Messrs. Baer and Mädler, and a Sketch made by himself on the 29th of July, 1827.

The part of the moon to which Captain Ford refers is the western half of *Mare Serenitatis*; the age of the moon was